

State of Hawaii
DEPARTMENT OF LAND AND NATURAL RESOURCES
Division of State Parks
Honolulu, Hawaii

July 11, 2008

Board of Land and Natural Resources
State of Hawaii
Honolulu, Hawaii

SUBJECT: Request for Approval of the Placement of Hazard Signs on Improved Public Lands Along the Kauai Bicycle and Pedestrian Pathway from Kealia Beach to Ahihi Point at Kuna Bay, County of Kauai Pursuant to Act 82, Session Laws of Hawaii, 2003

At its meeting of January 25, 2008, the Board approved the placement of hazard signs along the Kauai Bicycle and Pedestrian Pathway from Lihi Park to Kealia Beach on Kauai. This is a request for approval of sign placement along a new segment of this pathway which continues from Kealia beach to Ahihi Point at Kuna Bay. The Board, following the recommendation of the Risk Assessment Working Group, previously approved the sign designs, and sign placement at a number of other park and trail locations.

Pursuant to Chapter 13-8, HAR, the following guidelines have been used for determination of the placement of signage:

§13-8-9 Public use and exposure. (a) Traffic patterns and managed access points of people accessing the improved public lands shall be considered when placing signs. (b) The type, frequency, and location of incidents or potential public exposure relating to specific dangerous natural conditions when known on the improved public lands shall be considered when placing signs.

§13-8-10 Placement. Sign(s) shall be placed at or near access points, i.e., along vehicle and pedestrian traffic corridors in clearly visible locations placed as close as possible to the potentially dangerous natural conditions on improved public lands and at managed designated entrances where the signs will be seen as users enter improved public lands. View sheds, aesthetics, and feasibility of installation shall be considered in the placement of the signs. Signs shall be installed with consideration for the average adult line of sight but outside the general path of travel to avoid physical contact with signs. Signs may be attached to posts or by any other method of installation depending on the nature of the location and terrain.

Attached as Exhibit 1 is a request and maps from the County of Kauai for Board approval of locations for entrance and site specific signs warning of falling rocks and hazardous cliffs along the new bicycle and pedestrian pathway. The County is working toward opening this portion of the pathway, and would like to have appropriate, approved signage posted.

The Risk Assessment Working Group is recommending approval of the sign locations.

RECOMMENDATION:

That the Board:

Approve the placement of signs along the Kauai Bicycle and Pedestrian Pathway from Kealia Beach to Ahihi Point at Kuna Bay.

Respectfully submitted,



DANIEL S. QUINN
State Parks Administrator

APPROVED FOR SUBMITTAL:



LAURA H. THIELEN
Chairperson

Attachment: Exhibit 1 Request from the County of Kauai and maps depicting the placement of signs along the Kauai Bicycle and Pedestrian Pathway from Kealia Beach to Ahihi Point at Kuna Bay

BRYAN J. BAPTISTE
Mayor



MATTHEW S. K. PYUN, JR.
County Attorney

OFFICE OF THE COUNTY ATTORNEY

COUNTY OF KAUAI, STATE OF HAWAII
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Deputies
Harrison K. Kawate, First Deputy
Mona W. Clark
Rosa Flores
Margaret H. Sueoka
James K. Tagupa
Jennifer S. Winn

June 5, 2008

Laura H. Thielen, Chair
Board of Land and Natural Resources
State of Hawai'i
P.O. Box 621
Honolulu, Hawai'i 96809

Re: Request for Placement on June 27, 2008 Agenda: Approval of Placement of Hazard and Management Signs on Improved Public Lands: Portion of County of Kaua'i Bicycle and Pedestrian Pathway, from Keālia Beach to Ahihi Point at Kuna Bay

In accordance with Act 82, the County of Kaua'i is requesting that its sign plan for warnings of dangerous natural conditions on a portion of the County of Kaua'i's proposed bicycle and pedestrian pathway (hereinafter referred to as "Pathway Portion"), be placed on the June 27, 2008 agenda for Board review and approval.

Placement on the June 27, 2008 agenda is requested so that the County of Kaua'i will have adequate time after Board approval to install appropriate signage, as set out in the attached sign plan, prior to opening the Pathway Portion to public use. The County of Kaua'i has tentatively scheduled this opening for July 1, 2008.

The Pathway Portion extends from Keālia Beach to Ahihi Point at Kuna Bay. This Pathway Portion is designated as a County of Kaua'i park and is within the jurisdiction of the Department of Parks and Recreation, County of Kaua'i.

The County of Kaua'i is submitting an original and three copies of the following documents:

1. Exhibit "A": Map depicting full length of the Pathway Portion that is tentatively scheduled to be opened to the public on July 1, 2008.

Exhibit 1

2. Exhibit "B": Map depicting the location of proposed entrance signs to the Pathway Portion and the end of trail sign for the Pathway Portion.
3. Exhibit "C": Depictions of proposed Entrance Hazard Signs that will be located at the points of entry identified in Exhibit "B".
4. Exhibit "D": Depiction of the proposed Site Specific Management Sign identifying the end of the trail which will be located at the point identified in Exhibit "B".
5. Maps BC-13 through BC-26. Topographical maps depicting the location of site specific Hazard signs on the Pathway Portion that is tentatively intended to be opened to the public on July 1, 2008.
6. Exhibit "E": Map depicting section of Access Path from Keālia Kai Comfort Station to Pathway Portion which is subject to the potentially hazardous rockfall condition.
6. Exhibit "F": Depictions of proposed Site-Specific Hazard Signs.
7. Exhibit "G": Map depicting lands surrounding pathway portion by ownership interest.

Entrance site warning signs will be placed at the two designated entrances to the segment of the Pathway Portion as further described in Exhibit "B".

The two designated entrances are: (1) the north end of the parking lot at Keālia Beach; (2) the Keālia Kai Parking and Beach Access Lot.

Each designated entrance location will have two signs, one warning of falling rocks along the trail and one warning of hazardous cliffs along the trail. The proposed placements of the warning signs are at the designated entrances as depicted in Exhibit "B". Depictions of the entrance hazard signs are set forth in Exhibit "C".

Topographical maps of the Pathway Portion that contain identified potentially dangerous natural conditions with proposed placement of warning signs are enclosed as Map BC-13 through BC-26. A map of the portion of the access path which is subject to potentially dangerous natural conditions, with proposed placement of warning signs, is set forth in Exhibit E. These maps are enlargements of the area shown in Exhibit "B".

The identified potentially hazardous rock fall areas, with corresponding proposed placement of proposed warning signs, are located primarily on the areas depicted on the areas of the Pathway Portion depicted on Maps BC-13 through BC-17 and BC-20 through BC-22 as well as on the Access Path.

Laura H. Thielen, Chair

Page 3

June 5, 2008

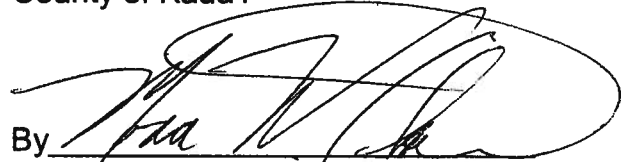
The identified potentially hazardous dangerous cliff areas, with corresponding placement of proposed warning signs, are located primarily on the areas depicted by maps BC-14 through BC-16 and BC-17 through BC-19.

The lands makai of the path are owned by the County. However, from the north end of Keālia Beach to the end of the trail, the lands mauka of the path are owned by private landowners. Exhibit "G" sets forth the ownership of the lands adjacent to the Pathway Portion.

Pursuant to Act 82, it is therefore requested that the County of Kaua'i's enclosed Request for Placement of Hazard and Management Signs on Improved Public lands: Portion of County of Kaua'i Bicycle and Pedestrian Pathway, from Keālia Beach to Ahihi Point at Kuna Bay be placed on the Board's June 27, 2008 agenda for review and approval.

If there are any questions with regard to the foregoing, please do not hesitate to communicate with this office.

Office of the County Attorney
County of Kaua'i

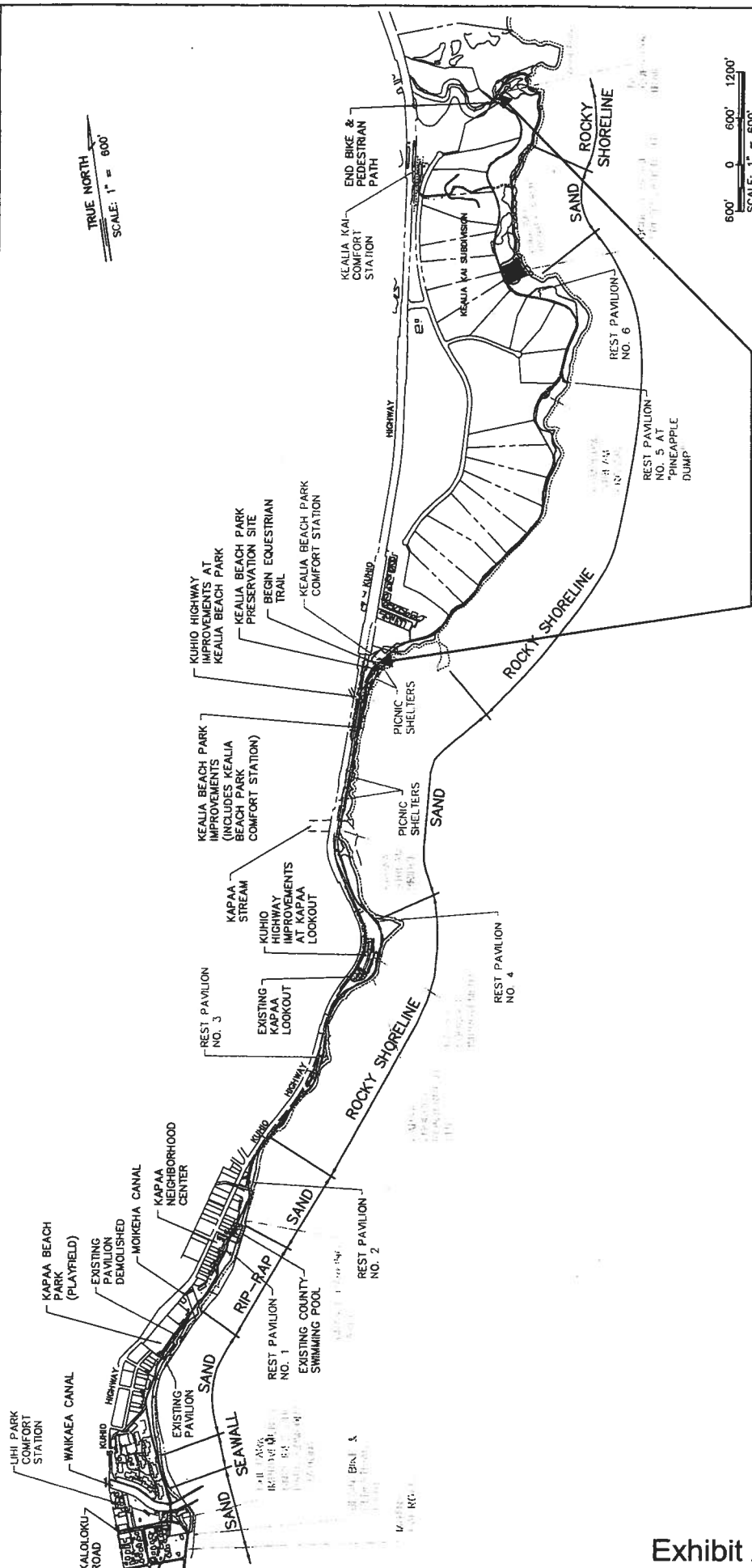
By 

MATTHEW S. K. PYUN, JR.
HARRISON K. KAWATE
MONA W. CLARK

Enclosures

FED. ROAD DIST. NO.	STATE	FED. AD. YEAR	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	19	2005	2005	7	213

TRUE NORTH
SCALE: 1" = 600'



600' 0 600' 1200'
SCALE: 1" = 600'

Pathway Portion

GENERAL LAYOUT PLAN
SCALE: 1" = 600'

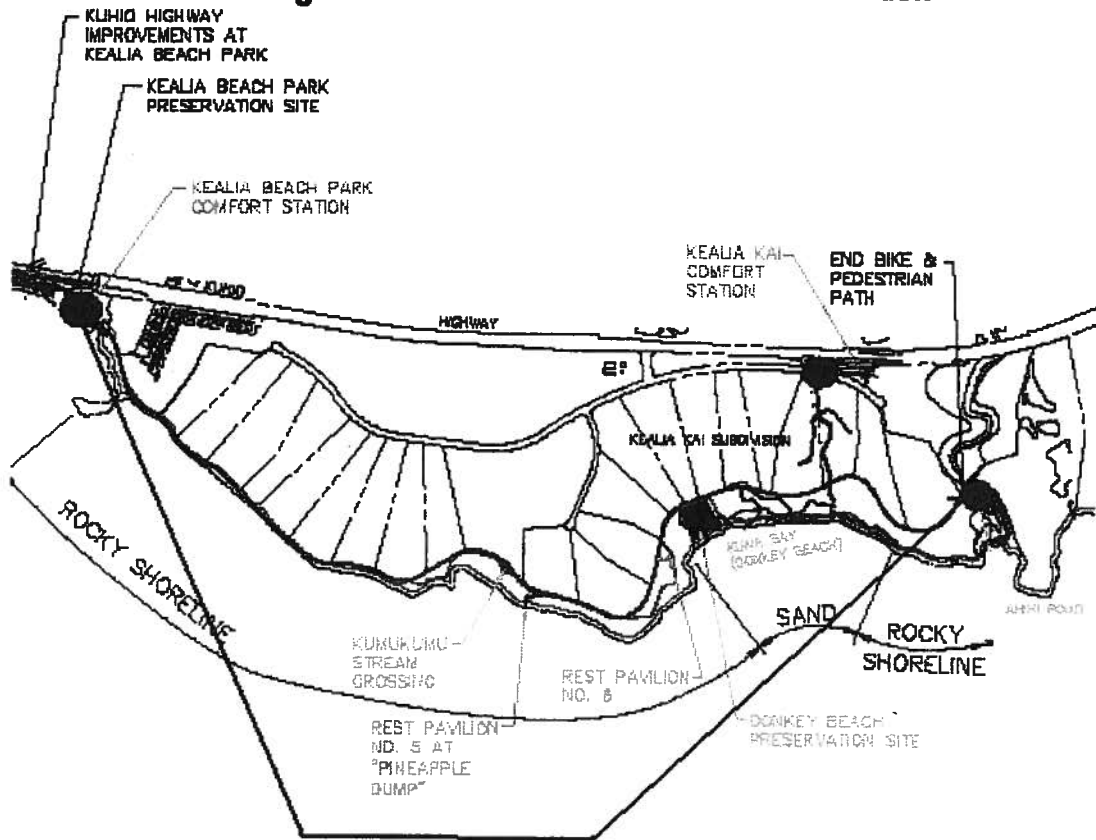
COUNTY OF HAWAII DEPARTMENT OF PUBLIC WORKS	
KAPAA-KEALIA EIKE & PEDESTRIAN PATH GENERAL LAYOUT PLAN	
FAP NO. STP-0700 (48)	
DESIGNED BY: [Signature]	CHECKED BY: [Signature]
DATE: 12/01/99	DATE: 12/01/99
PROJECT NO. AC-7	SHEET NO. 7
TOTAL SHEETS: 213	

EXHIBIT 1

Exhibit A

PREPARED BY: [Signature]
FILE: GENERAL LAYOUT PLAN.dwg
DATE: 12/01/99
LAST MODIFIED: 12/01/99
SCALE: 1" = 600'

Designated Entrances and End of Trail Location



Pathway Portion

Designated Entrances have both WARNING signs



End of Trail sign

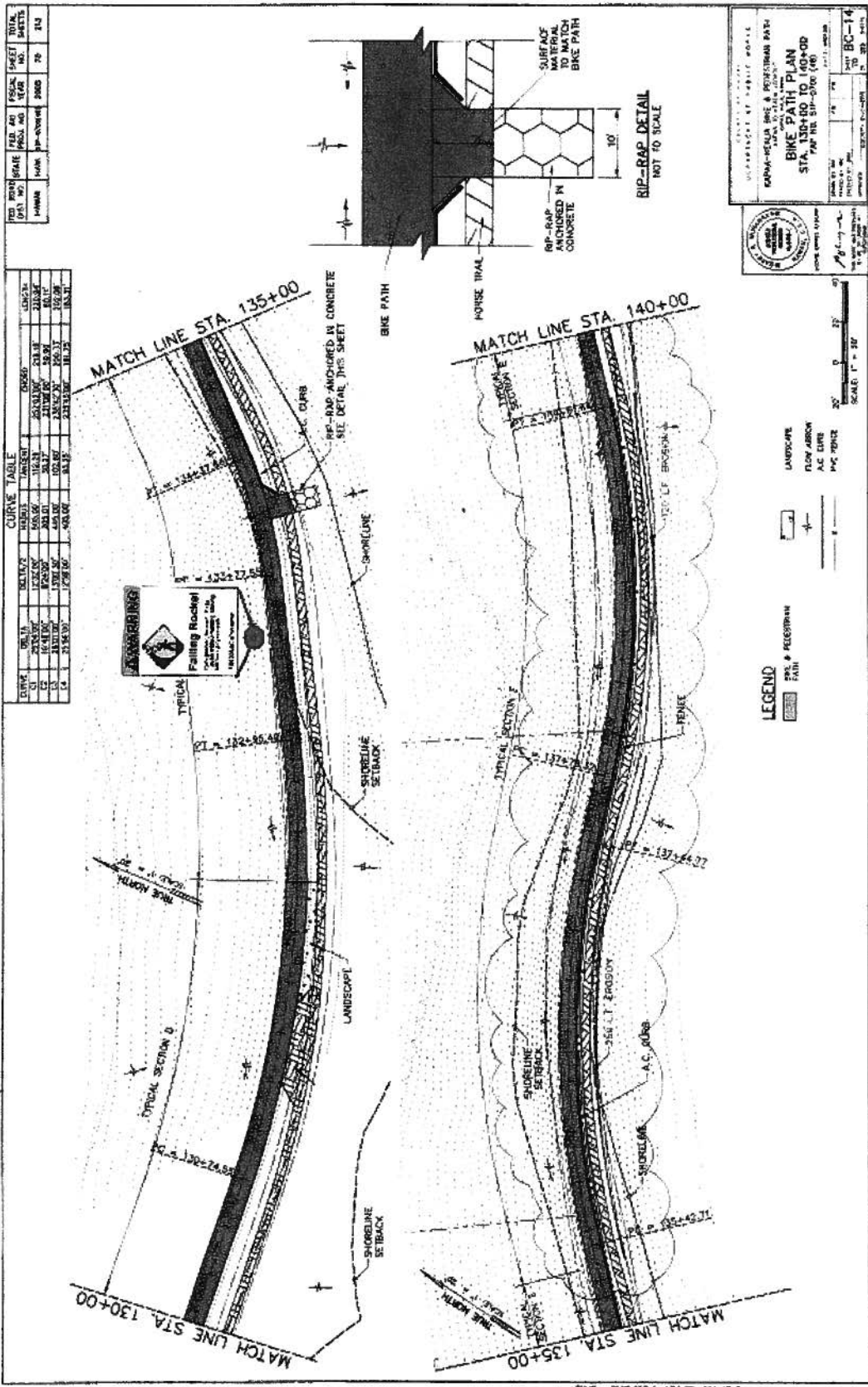


Entrance Hazard Signs



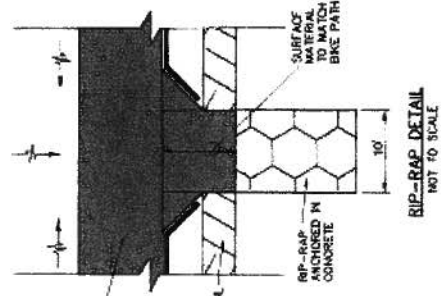
Site Specific Management Sign





CURVE TABLE

STATION	CHORD BEARING	CHORD LENGTH	CHORD BEARING	CHORD LENGTH	CHORD BEARING	CHORD LENGTH	CHORD BEARING	CHORD LENGTH	CHORD BEARING	CHORD LENGTH
130+00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00
131+00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00
132+00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00
133+00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00
134+00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00
135+00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00
136+00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00
137+00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00
138+00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00
139+00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00
140+00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00	125° 00' 00"	100.00

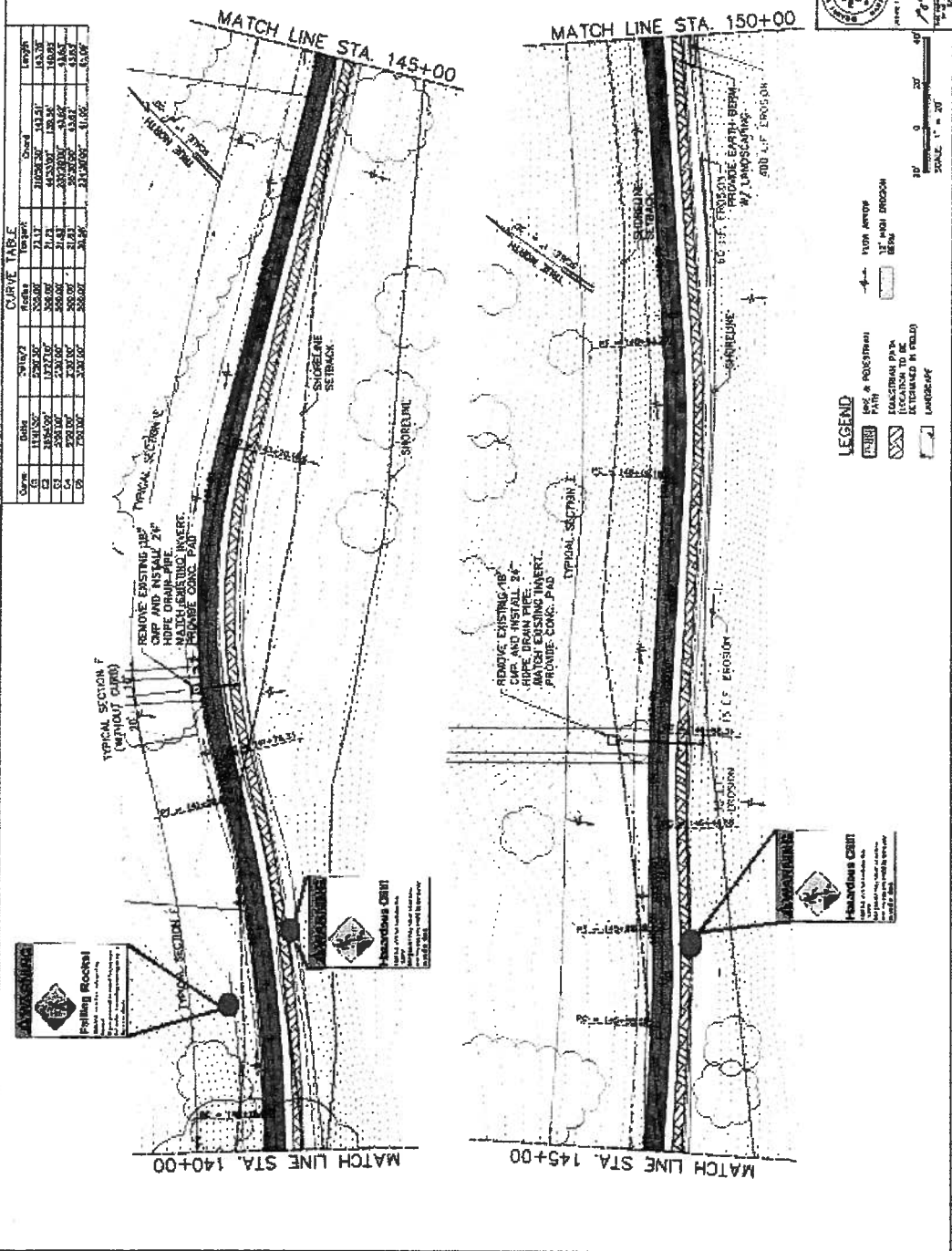


LEGEND

- LANDSCAPE
- FLOW ARROW
- A.C. CURB
- PAV. SURF
- BIKE PATH
- SHOULDER
- SHOULDER SETBACK
- LANDSCAPE SETBACK
- BIKE PATH
- BIKE PATH DETAIL
- NOT TO SCALE

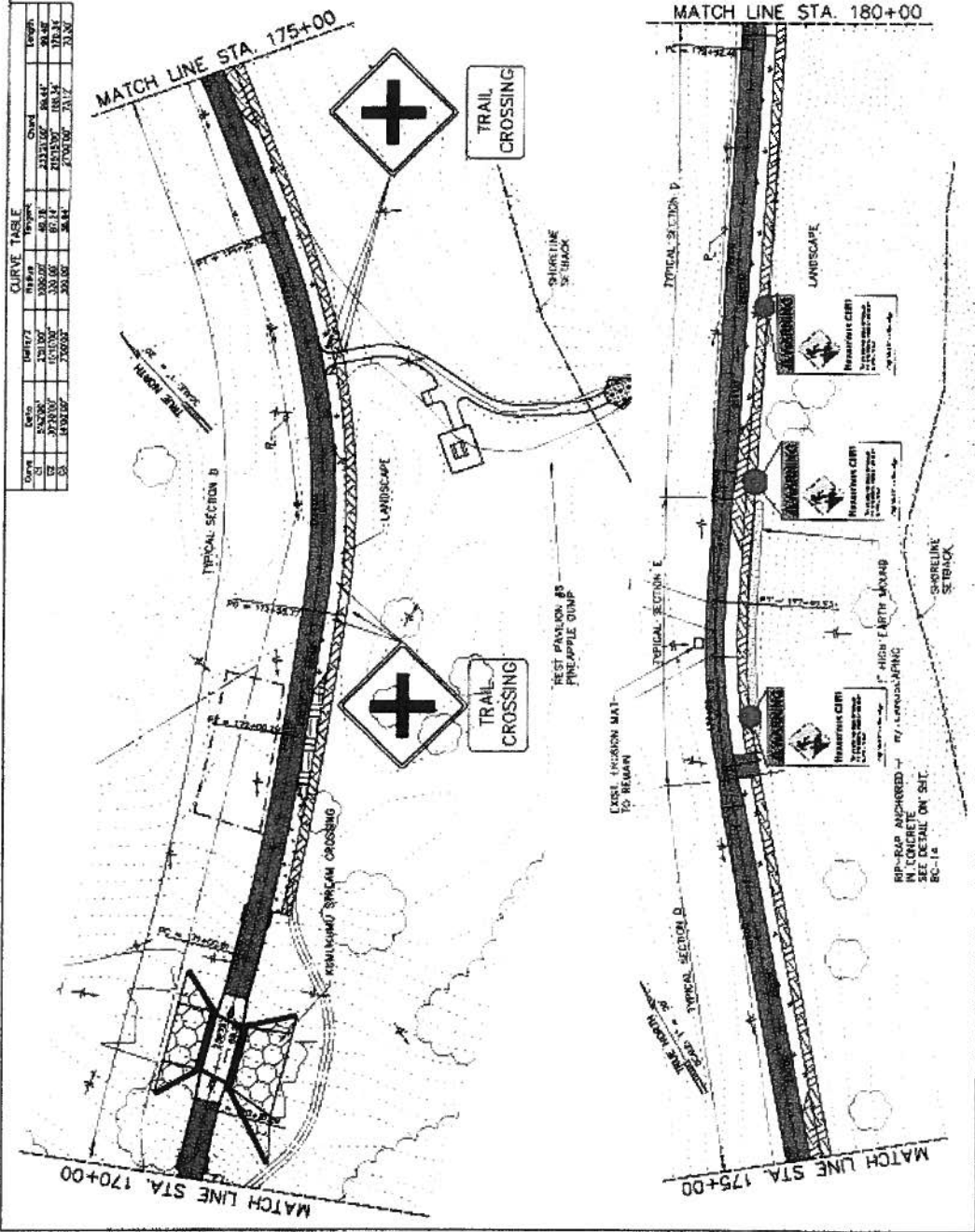
FIELD ROAD DIST NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
11-0000	MAINE	123-110000	2000	71	213

NOTE:
FOR EROSION AREAS OF 15 L.F. OR
LESS, GROUT ON-SITE Boulders
IN-PLACE. BACKFILL WITH G.S.M.



FILE NO.	STATE	FED. AID	LOCAL	SHEET	TOTAL
100-100	MD	100-100	100-100	100-100	100-100
100-100	MD	100-100	100-100	100-100	100-100

CURVE TABLE			
Station	Length	Curve	Length
170+00	100.00	170+00	100.00
171+00	100.00	171+00	100.00
172+00	100.00	172+00	100.00
173+00	100.00	173+00	100.00
174+00	100.00	174+00	100.00
175+00	100.00	175+00	100.00
176+00	100.00	176+00	100.00
177+00	100.00	177+00	100.00
178+00	100.00	178+00	100.00
179+00	100.00	179+00	100.00
180+00	100.00	180+00	100.00



- LEGEND**
- BIKE & PEDESTRIAN PATH
 - CONCRETE PATH (LOCATED TO BE INSTALLED IN FIELD)
 - LANDSCAPE
 - FLOW ARROW
 - 12" RCP IN TRENCH
 - 24" RCP IN TRENCH

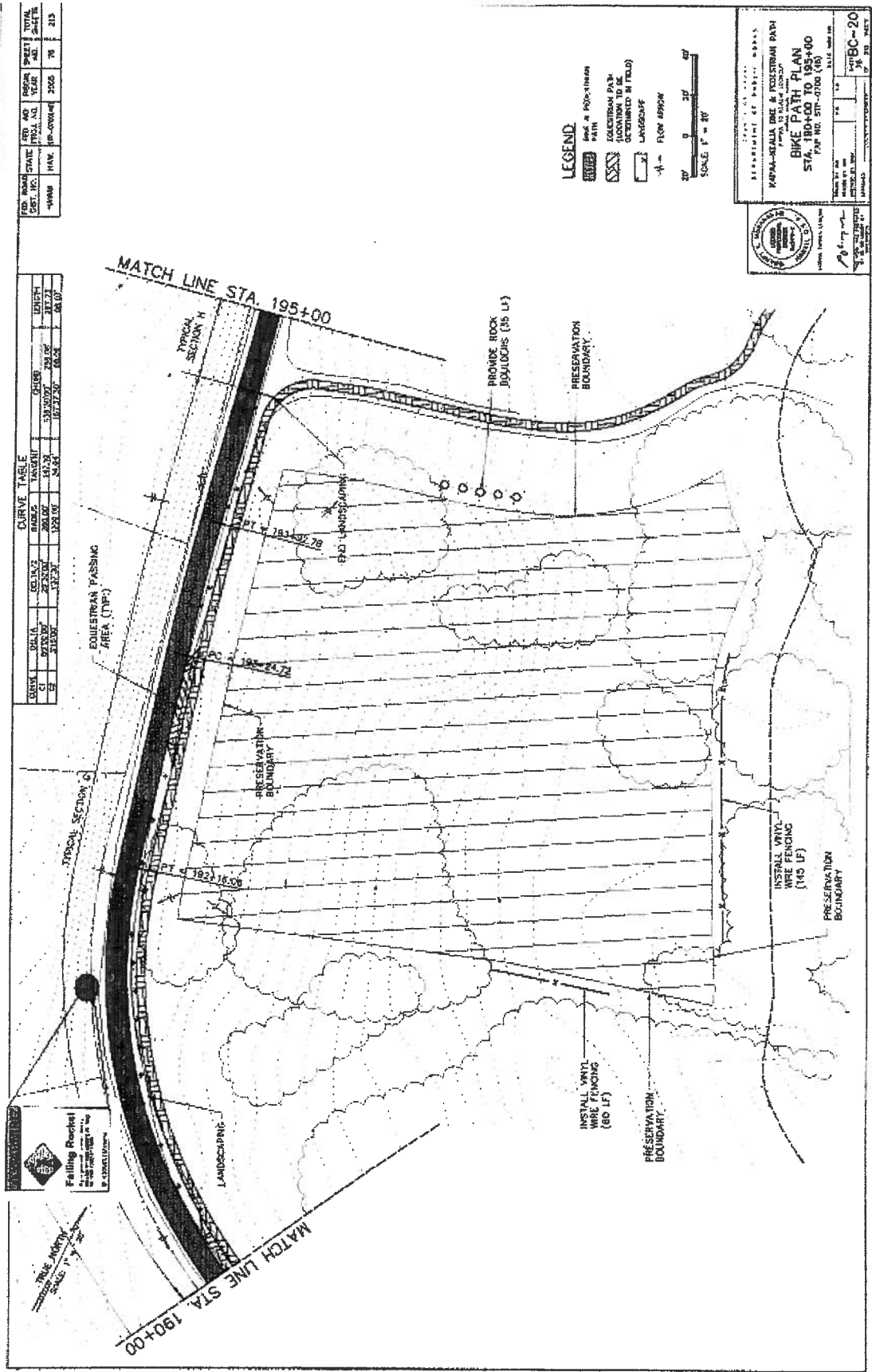


DEPARTMENT OF PUBLIC WORKS
KODIAK-NEAL BAS & PEDESTRIAN PATH
BIKE PATH PLAN
STA. 170+00 TO 180+00
PWP NO. 100-100 (40)

MADE BY: [Signature]
DATE: [Date]
CHECKED BY: [Signature]
DATE: [Date]

PROJECT NO. 100-100
SHEET NO. 18
TOTAL SHEETS 18

MAP BC-18



CURVE TABLE

CURVE	BEARING	CHORD	CHORD BEARING	TANGENT	LENGTH
1	272.50°	284.00'	157.30°	157.30'	314.61'
2	112.34°	192.00'	85.84°	85.84'	167.72'
					482.33'

LEGEND

- ROAD & FOOT-STRIKER PATH
- EQUESTRIAN PATH
- LOCATION TO BE OCCUPIED IN FIELD
- LANDSCAPING
- FLOW ARROW

SCALE: 1" = 20'

KAPPA-MEALIA BIKE & PEDESTRIAN PATH

BIKE PATH PLAN

STATION 190+00 TO 195+00

DATE: 07/20/00

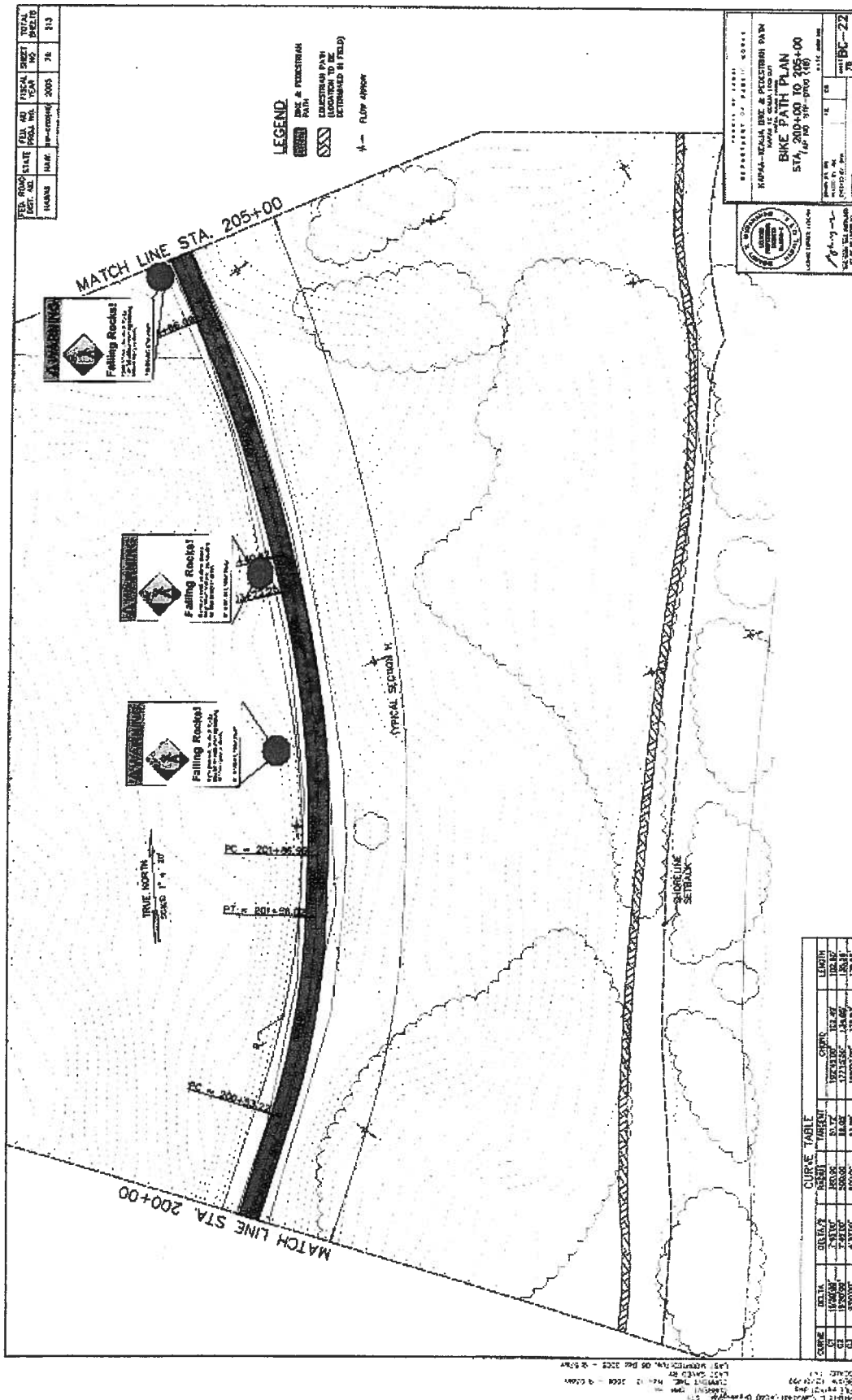
BY: [Signature]

PROJECT NO. BC-20

MAP BC-20

CURVE	DELTA	DELTA/2	HEIGHT	TANGENT	CHORD	LENGTH
C1	37.43°	18.72°	400.00'	109.88'	187.73'	254.48'
C2	37.43°	18.72°	140.00'	35.27'	201.95'	244.3'
C3	33.00°	16.50°	400.00'	154.47'	209.00'	281.4'

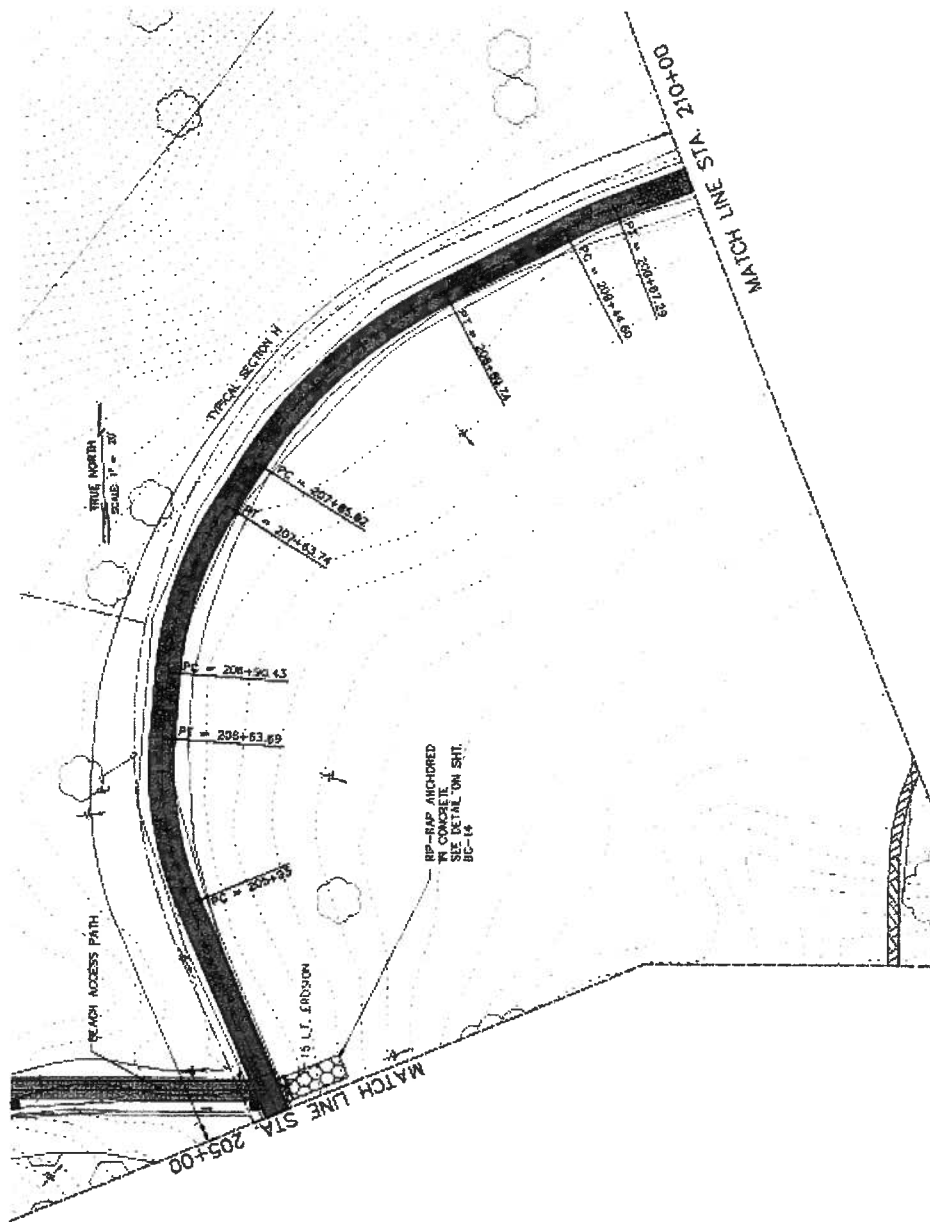




MAP BC-22

YR. ROAD	STATE	ED. AD.	TOTAL	SHEET	TOTAL
DATE	NO.	NO.	NO.	NO.	NO.
1999	100	100	100	100	100

CURVE TABLE									
CURVE	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA	DATA
1	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00
2	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00
3	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00
4	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00	200+00.00



- LEGEND**
- BIKE & PEDESTRIAN PATH
 - CONCRETE RAMP (LOCATION TO BE DETERMINED IN FIELD)
 - FLOW ARROW

DEPARTMENT OF PUBLIC WORKS

BAPPA-KALIA BIKE & PEDESTRIAN PATH

BIKE PATH PLAN

STA. 205+00 TO 210+00

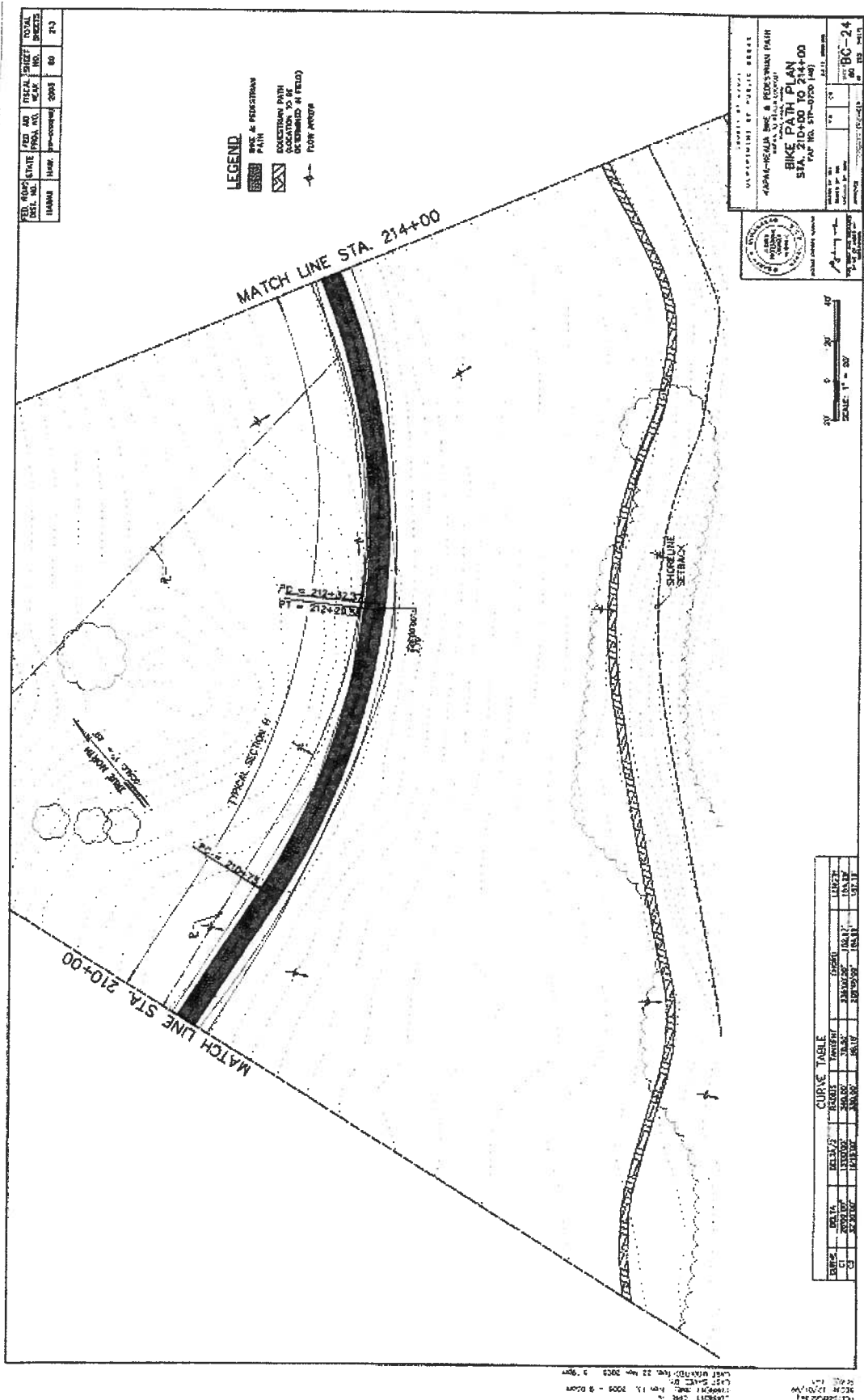
DATE: 01-01-2000

BY: J. J. J.

PROJECT NO. BC-23

DATE: 01-01-2000

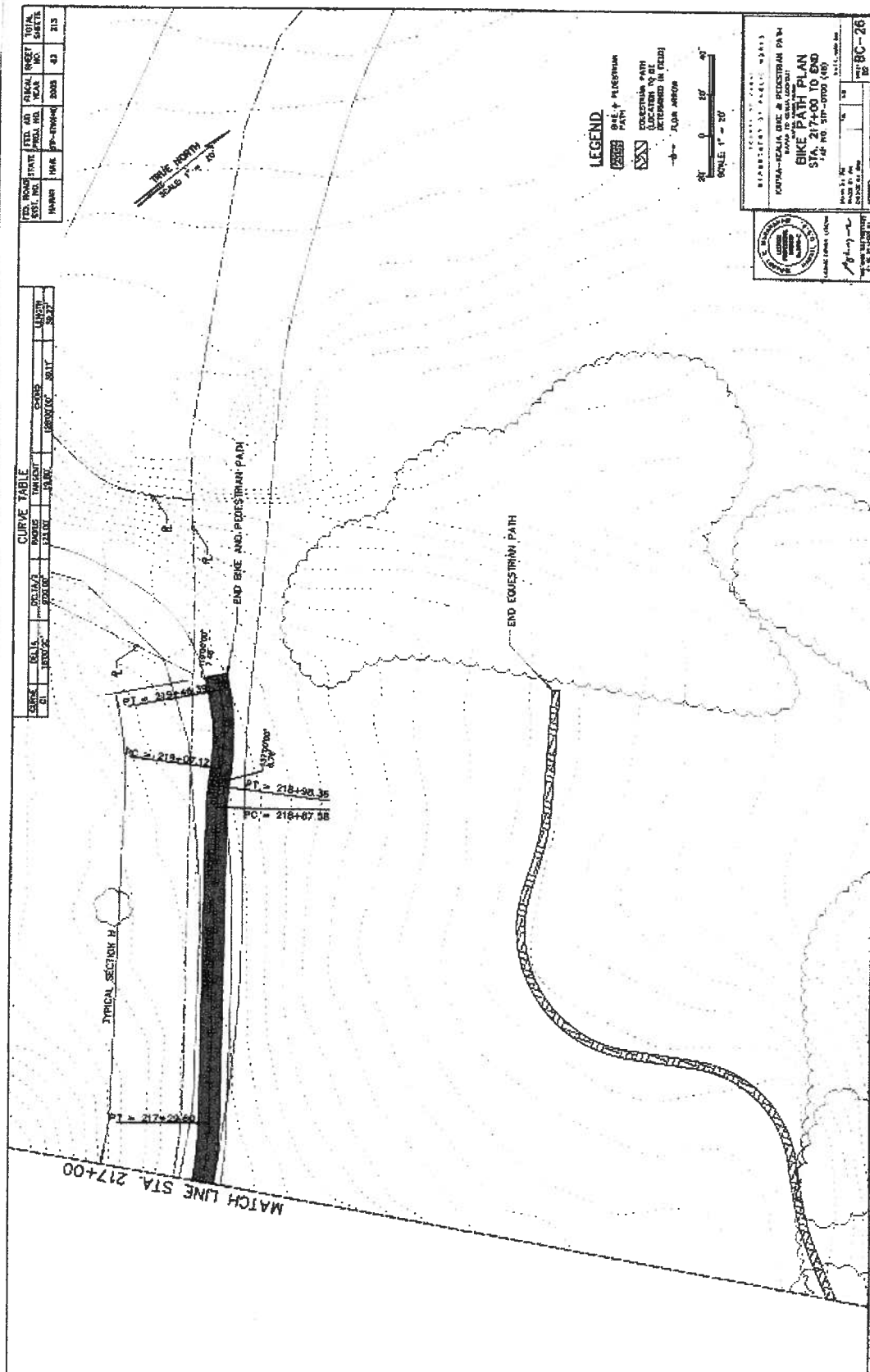
BY: J. J. J.



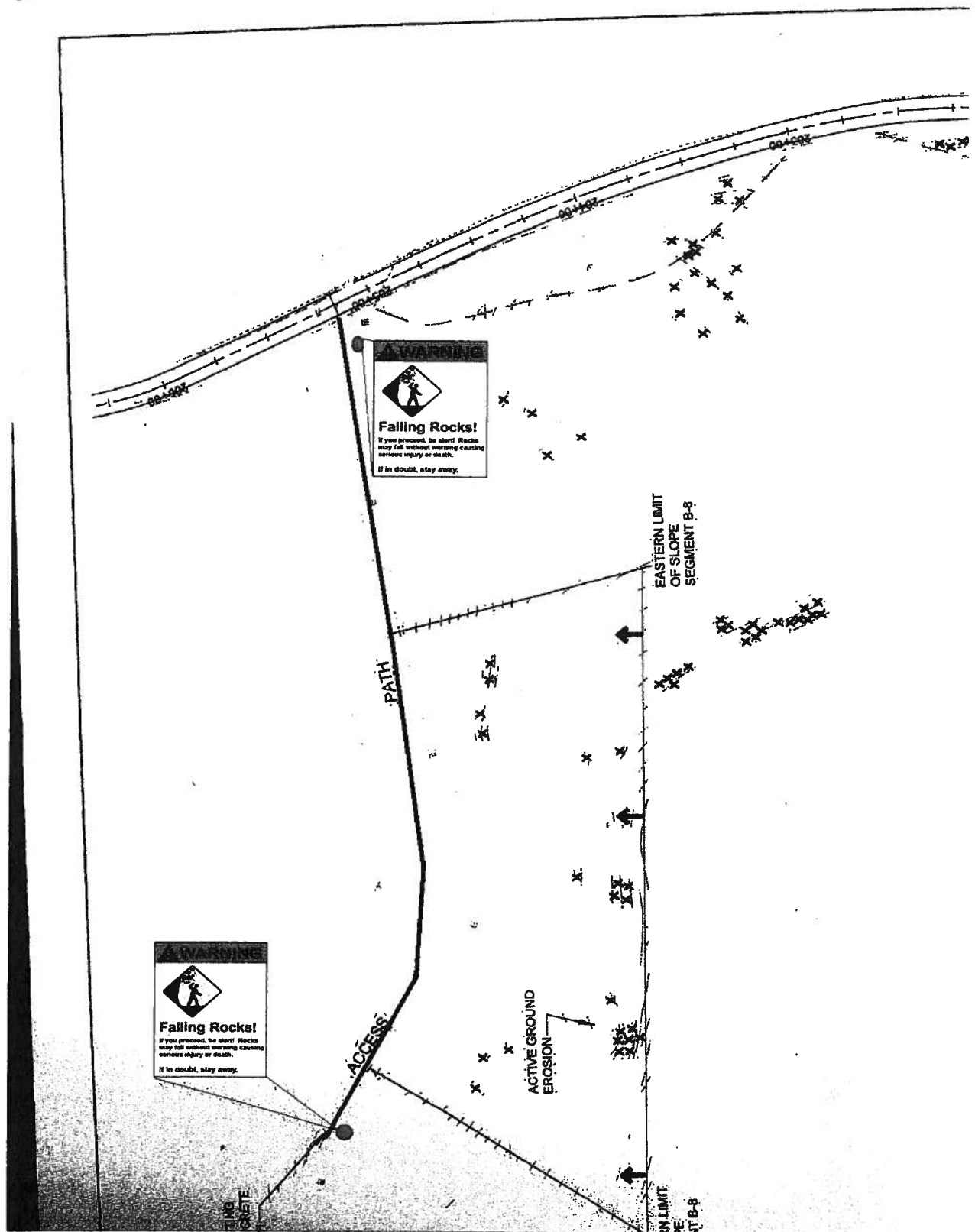
CURVE TABLE

STATION	DATE	DELTA	BEARING	CHORD	ARC LENGTH	AREA
1	01/11/07	120.00°	S 89.00° E	100.00'	100.00'	100.00'
2	01/11/07	120.00°	S 89.00° E	100.00'	100.00'	100.00'
3	01/11/07	120.00°	S 89.00° E	100.00'	100.00'	100.00'
4	01/11/07	120.00°	S 89.00° E	100.00'	100.00'	100.00'
5	01/11/07	120.00°	S 89.00° E	100.00'	100.00'	100.00'
6	01/11/07	120.00°	S 89.00° E	100.00'	100.00'	100.00'
7	01/11/07	120.00°	S 89.00° E	100.00'	100.00'	100.00'
8	01/11/07	120.00°	S 89.00° E	100.00'	100.00'	100.00'
9	01/11/07	120.00°	S 89.00° E	100.00'	100.00'	100.00'
10	01/11/07	120.00°	S 89.00° E	100.00'	100.00'	100.00'

MAP BC-24



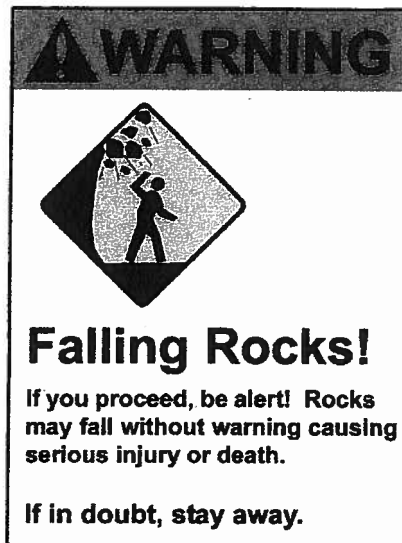
MAP BC-26



Sign will be located along the access path at a location which is approximately 240 feet from the intersection of the access path and bicycle and pedestrian path.

EXHIBIT E

Site-Specific Hazard Signs



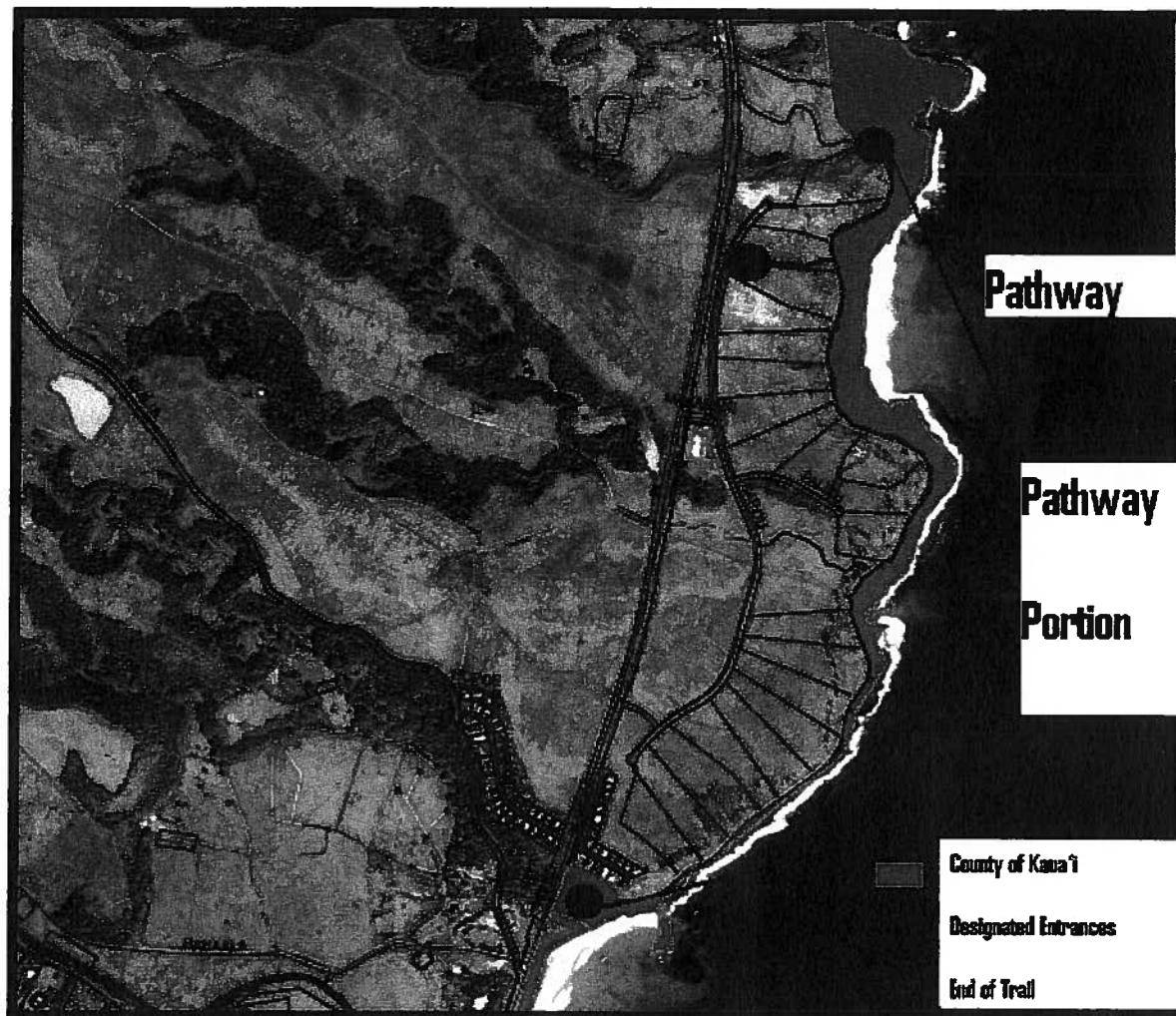


EXHIBIT G